

**AMENDMENTS TO THE CLAIMS:**

The listing of claims will replace all prior versions, and listing, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A process is provided for selecting a wheat plant which exhibits genetically-controlled naturally-occurring glyphosate herbicide resistance that is not attributable to genetic engineering consisting essentially of:

- (a) soaking mature wheat seeds that in the absence of induced mutagenesis which are not genetically engineered for herbicide resistance in a liquid comprising glyphosate herbicide for a period of time sufficient for the glyphosate herbicide to reach the embryos of the wheat seeds,
- (b) planting the wheat seeds following the soaking of step (a) in a growing medium and producing at least one wheat plant, and
- (c) selecting a wheat plant from step (b) or from a subsequent generation that is produced following self-pollination which exhibits genetically-controlled naturally-occurring glyphosate herbicide resistance that is not attributable to a foreign gene for herbicide resistance introduced by genetic engineering.

2. (Original) The process according to Claim 1 wherein said glyphosate herbicide in step (a) is provided in an aqueous solution in a concentration of approximately 1.5 to 6 percent by weight.

3. (Previously Presented) The process according to Claim 1 wherein said glyphosate herbicide in step (a) is provided in an aqueous solution in a concentration of approximately 2 percent by weight.

4. (Original) The process according to Claim 1 wherein said soaking of step (a) has a duration of at least 6 hours.

5. (Previously Presented) The process according to Claim 1 wherein in step (b) said liquid comprising said glyphosate herbicide additionally is added to said growing medium.

6. (Previously Presented) The process according to Claim 1 wherein said wheat plant that is selected in step (c) survives when sprayed with a liquid comprising said glyphosate herbicide in a concentration that commonly would kill a wheat plant.

7. (Previously Presented) The process according to Claim 1 wherein said mature wheat seeds that are soaked in said glyphosate herbicide of step (a) are produced from the cross of the 'WA7824' and 'Zeke' wheat varieties.

8 to 32. (Cancelled).

33. (Previously Presented) The process according to Claim 1 wherein said mature wheat seeds that are soaked in said glyphosate herbicide of step (a) include the 'WA7824' and 'Zeke' wheat varieties in their ancestry.